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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,717	08/13/2001	Rangaprasad Govindarajan	24148115.000027	8929

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EXAMINER

LEE, CHI CHUNG

ART UNIT	PAPER NUMBER
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2131

DATE MAILED: 11/06/2003

15

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/929,717

Applicant(s)

GOVINDARAJAN ET AL.

Examiner

Chi-Chung E Lee

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 June 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 and 13-16 is/are rejected.
- 7) ☒ Claim(s) 11 and 12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 10.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: On page 7 line 2, there is a typographic error. The words "packet data network 115" should be "packet data network 110". The applicant is requested to correct other instances related to this typographical.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 3, 10-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the limitation "**the call setup signals**" in **line 18**. There is insufficient antecedent basis for this limitation in the claim.

Claim 10 recites the limitation "**said wireless content switch**" in **lines 1-2**. There is insufficient antecedent basis for this limitation in the claim.

Claims 11-12 are rejected as dependent claims of claim 10.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-9, 13-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Levinson (US 5,566,171 A).

As per claims 1, 2, 3, Levinson discloses a method for securing a communication session over a packet data network, the method comprising:

- a) receiving a signal (i.e. set up signal, INTc, see figure 2) including a port number associated with a first terminal (i.e. Node 102, see figure 2 and column 8 lines 1-7);
- b) receiving data packets (i.e. receive serial data 202, see figure 2) from a second terminal (i.e. node 2, see figure 1) to the first terminal (i.e. node 1);
- c) transmitting the data packets to the first terminal, wherein the data packets identify the port number associated with the first terminal [see column 5 lines 60-65].

As per claims 4, 5, Levinson discloses the method of determining the port number (i.e. port ID, see figure 5) identified by the data packets [see column 6 lines 12-16] and examining a layer of a protocol stack (i.e. routing protocol) associated with the data packets [see column 1 lines 5-10].

As per claim 6, Levinson discloses the method of discarding the data packets, wherein the data packets do not identify the port associated with the first terminal [see column 13 lines 59-65].

As per claim 7, Levinson further discloses the method comprising:

- a) receiving a termination signal (i.e. disconnection request, see column 8 lines 15-16) for the communication session;
- b) receiving data packets identifying the port number associated with the first terminal after receiving the termination signal [see column 8 lines 16-21];
- c) discarding the data packets received after receiving the termination signal (i.e. disconnect string, see column 12 lines 24-39).

As per claims 8, 9, Levinson discloses the node-to-node communication with a switching apparatus including a plurality of transceivers for interfacing directly with a plurality of user nodes. It is inherent in the system of Levinson to include mobile station in the first terminal and the data packets comprises digitized voice signals because the transceiver provides wireless capability for user node such as a mobile station.

Claims 13-16 have similar limitations as claims 1-9; therefore, they are rejected under the same rationale.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 10 rejected under 35 U.S.C. 103(a) as being unpatentable over Levinson (US 5,566,171 A) in view of Vu (US 5,623,601 A).

As per claim 10, Levinson discloses a switch matrix for securing a communication session over a packet data network; the switch matrix comprises a plurality of input/output ports (i.e. ports 1-15, see figure 3) for:

- a) receiving a signal (i.e. set up signal, INTc, see figure 2) including a port number associated with a first terminal (i.e. Node 102, see figure 2 and column 8 lines 1-7);
- b) receiving data packets (i.e. receive serial data 202, see figure 2) from a second terminal (i.e. node 2, see figure 1) to the first terminal (i.e. node 1);
- c) transmitting the data packets to the first terminal, wherein the data packets identify the port number associated with the first terminal [see column 5 lines 60-65].
- d) a memory (I.e. SRAM 426 see figure 8a) for storing a plurality of records (i.e. routing table, see table 1), wherein each record comprises a first port ID associated with the terminal and terminal ID (i.e. node 1-15, see figure 8a).

Levinson does not expressly disclose a firewall for securing a data session.

Vu discloses a secure firewall between two networks.

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It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to employ the firewall in the system of Levinson because it is well known in the art that the firewall can provide an inter-network security gateway.

One of ordinary skill in the art would have been motivated to use the firewall which serves as a secure gateway between computer networks to inhibit electronic vandalism and espionage [see Vu column 1 lines 15-29].

Allowable Subject Matter

6. Claims 11-12 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chi-Chung E Lee whose telephone number is 703-306-4153. The examiner can normally be reached on 8 am - 5 pm, Mon. - Fri..

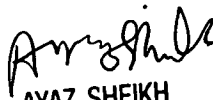
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 703-305-9648. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

C-L

Chi-Chung Lee
11/01/2003


AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100